Sequence length 4052

Apr-08-02 14:07

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TTA GCG AGC CTC ATG TTT TTT TGG GAA CCA ATC GAT AAT CAC ATT GTG AGC CAT ATG AAG S Y S Y R Y L I N S Y D P V N D T L S L TCA TAT TCT TAC AGA TAC CTC ATA AAT AGC TAT GAC TTT GTG AAT GAT ACC CTG TCT CTT K H T S A G P R Y Q Y L I N H K K K C Q AAG CAC ACC TCA GCG GGG CCT CGC TAC CAA TAC TTG ATT AAC CAC AAG GAA AAG TGT CAA A Q D V L L L P V K T A P E N Y D R R GCT CAA GAC GTC CTC CTT TTA CTG TTT GTA AAA ACT GCT CCT GAA AAC TAT GAT CGA CGT S G I R R T W G N E N Y V R S Q L N A N TCC GGA ATT AGA AGG ACG TGG GGC AAT GAA AAT TAT GTT CGG TCT CAG CTG AAT GCC AAC I K T L F A L G T P N P L E G K E L Q R 144 ATC AAA ACT CTG TTT GCC TTA GGA ACT CCT AAT CCA CTG GAG GGA GAA GAA CTA CAA AGA 432 K L A W B D Q R Y N D I I Q Q D F V D S
AAA CTG GCT TGG GAA GAT CAA AGG TAC AAT GAT ATA ATT CAG CAA GAC TIT GTT GAT TCT F Y N L T L K L L M Q F S W A N T Y C P TTC TAC AAT CIT ACT CTG AAA TTA CTT ATG CAG TTC AGT TGG GCA AAT ACC TAT TGT CCA H A K F L M T A D D D I F I H M P N L I CAT GCT AAA TIT CTT ATG ACT GCT GAT GAT GAC ATA TIT ATT CAC ATG CCA AAT CTG ATT E Y L Q S L E Q I G V Q D F W I G R V E GAG TAC CTT CAA AGT TTA GAA CAA ATT GGT GTT CAA GAC TTT TGG ATT GGT CGT GTT CAT R G A P P I B D K S S K Y Y V S Y E M Y 244 CGT GGT GCC CCT CCC ATT AGA GAT AAA AGC AGC AAA TAC TAC GTG TCC TAT GAA ATG TAC 732 Q W P A Y P D Y T A G A A Y V I S G D V 264 CAG TGG CCA GCT TAC CCT GAC TAC ACA GCC GGA GCT GCC TAT GTA ATC TCC GGT GAT GTA 792 A A K V Y E A S Q T L N S S L Y I D D V 284 GCT GCC AAA GTC TAT GAG GCA TCA CAG ACA CTA AAT TCA AGT CTT TAC ATA GAC GAT GTG 852

Fig. 1A

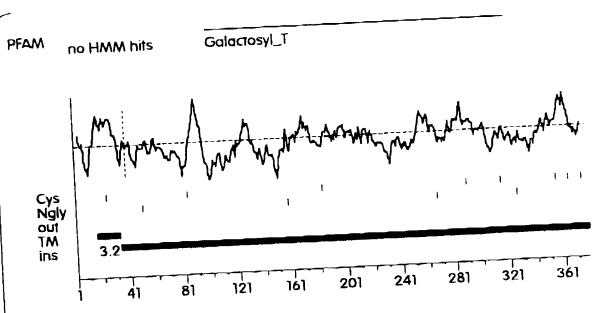
F	Ħ	G	L.	C	A	N Tak	K	I ATA	G GGG	I ATA	V GTA	P CCG	CYC Õ	D GAC	H CAT	V GTG	P TTT	TTT	TCT G	912
rtc	ATG	GGC	CIC	TGT T	GCC P	Y.	Ħ	P	c	I	y mari	E	K	M ATG	M ATG	T ACA	S TCT	H CAT	G GGA	324 972 344
G GGA	GAG	GGT	AAA	ACT	CCT	TAT	CAT	CCC	TGC	ATC	TAT	T	D D	P	K	٧	K	T	I	344
E CAC	L TTA	E GAA	D GAT	L CTC	CÀG	GAC	CTT	TGG	AAG	TAA	GCI	ACA	GAT	CCT	AAA -	GTA	AAA , T	ACC.	K X	344 1032 364
\$	K	G	7	P	G	Q Q	I ATA	Y TAC	C TGC	r aga	L TTA	M DTA	K AAG	I AT?	TTA A	ci.	cīi	TGI	: AAA	1092
TCC	, YV	. GGT	V GTC	u Tit	T.	Y	P	C	R	À	A T		I Table 1	# 'ፈጥ ጉ	A					379 1137
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TAGTACTTGAATGTTGTATGTTTTCACTGTCACTGAGTCAAACCTGGATGAAAAAAACCTTTAAATGTTCGTCTATACC ${\tt CTAAGTAAAATGAGGACGAAAGACAAATATTTTGAAAGCCTAGTCCATCAGAATGTTTCTTTGATTCTAGAAGCTGTTT}$ ${\tt AATATCACTTATCIACTTCATTGCCTAAGTTCATTTCAAAGAATTTGTATTTAGAAAAGGTTTATATTATTAGTGAAAA}$ ${\tt CANALCTARAGGGAAGTTCARGTTCATGTRATGCCACATATATACTTGAGGTGTAGAGATGTTATTAAGAAGTTTTG}$ ATGTTAGAATAATTGCTTTTGGAAAATACCAAATGAACGTACAGTACAACATTTCAAGGAAATGAATATATTGTTAGAC GTTCATGAATCTGGTAAAACAGTCTCTTGTTCTTAAGAGGAGATGTAGAAAATGTGTACAATGTTATTATAAACAGAC ${\tt AAATCACGTCTTACCACATCCATGTAGCTACTGGTGTTAGAGTCATTAAAATACCTTTTTTTGCATCTTTTTTCAAAGT$ GAAAATGACACATAACACGGGCAGCTGGTTGCTCATAGGGTCCTTCTCTAGGGAGAAACCATTGTTAATTCAAATAAGC TGATTTTAATGACGTTTTCAACTGGTTTTTAAATATTCAATATTGGTCTGTGTTTAAGTTTGTTATTTGAATGTAATTT ACATAGAGGAATATAATAATGGAGAGACTTCAAATGGAAAGACAGAACATTACAAGCCTAATGTCTCCATAATTTATA ANATGANATOTTAGTGTCTAAATCCTTGTACTGATTACTAAAATTAACCCACTCCTCCCCAACAAGGTCTTATAAACCA TCATCAATAACTGTCAGAGGTGATCTTTATTTTCTAAATATTTCAAACTGAAAAACAGAGTAAAAAAGTGATAGAAAAG TTGCCAGTTTGGGGTTAAAGCATTTTTAAAGCTGCATGTTCCTTGTAATCAAAGAGATGTGTCTGAGATCTAATAGAGT GALALAGATITCTCAGTATACACAACTGAATGATGATACTTACAATTTTTAGCAGGTAGCTTTTTAATGTTTACAGAA ATTITAATTITTTCTATTTTGAAATTTGAGGCTTGTTTACATTGCTTAGATAATTTAGAATTTTTAACTAATGTCAAA Apr-08-02 14:07



 ${\tt GATTAATGATGTATTGCCCATATATACCCTGTGTATCTATACTTGGAAGTGTTTAAGGTTGCCATTGGTTGA}$ ${\tt AAACATAAGIGTCTCTGGCCATCAAAGIGATCTTGTTTACAGCAGIGCTTTTGTGAAACAATTATTTATTTGCTGAAAG}$ ${\tt AGCTCTTCTGAACTGTGTCCTTTAATTTTTGCTTAGAATAGAATGGAACAAGTTTAAATTTCAAGGAAATATGAAGGC}$ $\textbf{AAATAAAAGGGTTCCAACCTTTTAAAAAAAGGAAAAAACTTTTTGGTGCTCCAGTGTAGGGCTATCTTTTAAAAAA$ TGTCAACAAAGGGAAAATAAACTATCAGCTTGGATGGTCACTTGAATAGAAGATGGTTATACACAGTGTTATTGTTAAA AAAAAAA

Fig. 1C



>8797
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TLSLKHTSAGPRYQYLINHKEKCQAQDVLLLLFVKTAPEMYDRSGIRRTWGMEMYVRSQ
LNANIKTLFALGTPMPLEGEELQRKLAWEDQRYMDIIQQDFVDSFYNLTLKLLMQFSWAN
TYCPHAKFIMTADDDIFIHMPNLIKYLQSLEQIGVQDFWIGRVHRGAPPIRDKSSKYYVS
YKCPHAKFIMTADDDIFIHMPNLIKYLQSLEQIGVQDFWIGRVHRGLCANKIGIVPQDH
YKMYQWPAYPDYTAGAAYVISGDVAAKVYEASQTLMSSLYIDDVFMGLCANKIGIVPQDH
VFFSGEGKTPYHPCIYEKOMTSEGHLEDLQDLWKNATDPKVKTISKGFFGQIYCRLMKII
LLCKISYVDTYPCRAAFI

Fig. 2

Protein Family / Domain Matches, HMMer version 2 Searching for complete domains in PFAM

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hmmpfam - search a single seq against HMM database
Copyright (C) 1992-1998 Washington University School of Medicine
HMMBR 2.1.1 (Dec 1998)
HMMER is freely distributed under the GNU General Public License (GPL).
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                 /prod/ddm/seqanal/PPAM/pfam5.4/Pfam
/prod/ddm/wspace/orfanal/oa-script.19955.seq
How file:
Sequence file:
Query: 8797
Scores for sequence family classification (score includes all domains):
                                              Score B-value N
           Description
Model
                                                      2.8e-48 1
                                                173.8
 Galactosyl_T Galactosyltransferase
 Model Domain seq-f seq-t hmm-f hmm-t score B-value
 Galactosyl_T 1/1 102 321 .. 1 249 [] 173.8 2.8e-48
 Galactosyl_T: domain 1 of 1, from 102 to 321: score 173.8, E = 2.8e-48
                 -->arBnaiRkTWmmqmmsegvadgrikalFlvGl.sakqdqklkklvme
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        8797 102
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        8797 149 EDQ--RYNDIIQQDFVDSFYNLTLKLIMQFSWANTYCPHAKFLNTADDDI 196
                  fvnpdkLlslLereniridpsessfyGylikegepvrrkkskrdWYvppt
                  f+ +++L+++L+ i +++++ G++++ +p+r k sk Yv+++
         8797 197 FIRMPNLIEYLQSL-EQIGVQDFWI-GRVHRGAPPIRDESSE--YYVSYE 242
                  eYpcsrNqokYPpYvsGpfYllsrdAAplIlkaskbrLr.flkiEDVliT
                   Y + YP Y +G Y++s+d+A ++++as + ++ 1 i+DV++
         8797 243 MYQWPA----YPDYTAGAAYVISGDVAAKVYKASQTL-HaSLYIDDVFM- 286
                  {\tt GilaedlgIsrinlprlsistnlfrfhhsqkdndgcdvfawhtahkndpe}
                   G +a+++gI +++ +f++ +++ h++ +e
          ylif<-*
                   ++ +
                          321
          8797 318 KMMT
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Fig. 3

Transmembrane Segments Predicted by MEMSAT

ſ	SPATE	Rnd	Orient	Score
١	15	32	out>ins	3.2
ì	T 2	7-	1	

MRMLVSGRRVKKWQLI1QLFATCFLASLMFFWEPIDNHIVSHMKSYSYRYLINSYDFVND TLSLKHTSAGPRYQYLINHKEKCQAQDVLLLLFVKTAPENYDRRSGIRRTWGNENYVRSQ LNANIKTLFALGTPNPLEGEELQRKLAWEDQRYNDIIQQDFVDSFYNLTLKLLMQFSWAN TYCPHARPLMTADDDIFIHMPNLIEYLQSLEQIGVQDFWIGRVHRGAPPIRDKSSKYYVS YEMYQWPAYPDYTAGAAYVISGDVAAKVYEASQTLNSSLYIDDVFMGLCANKIGIVPQDH VFFSGEGKTPYHPCIYEKMNTSHGHLEDLQDLWKNATDPKVKTISKGFFGQIYCRLMKII LLCKISYVDTYPCRAAFI

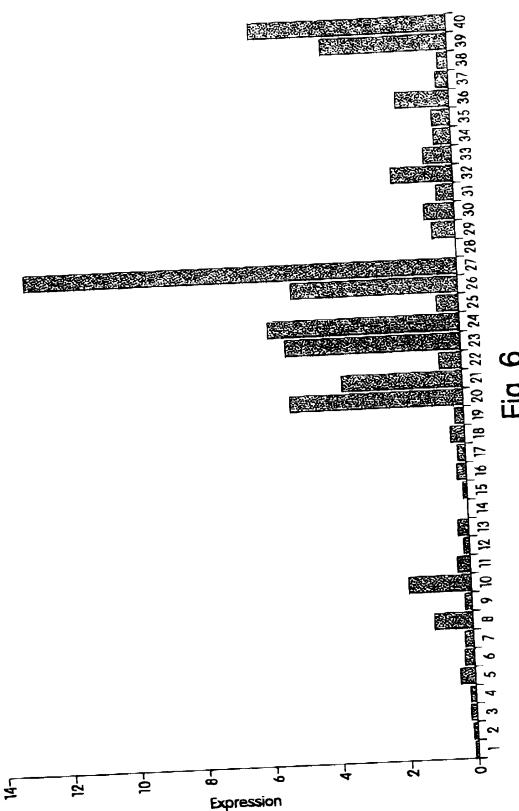
Fig. 4

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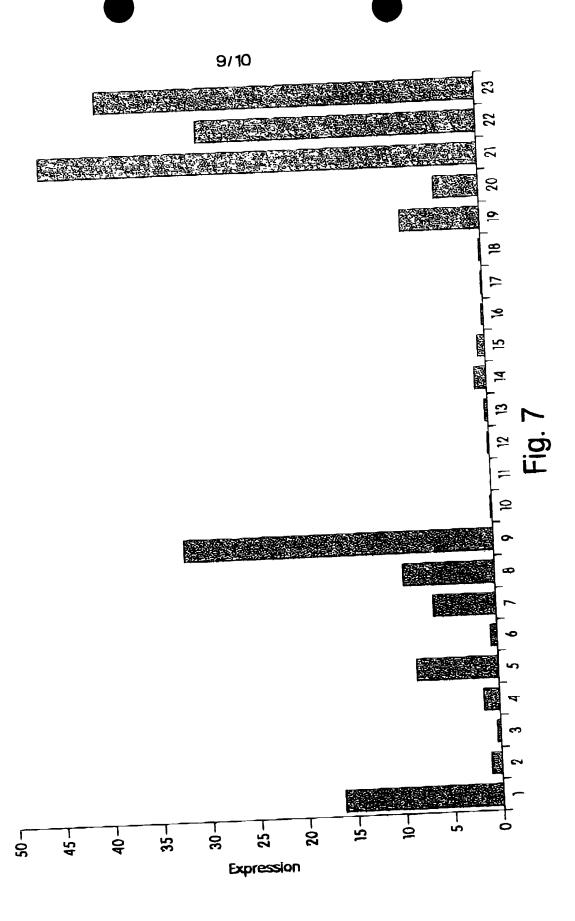
8797 Expression in Oncology Phase II Plate

From-LAHIVE & COCKFIELD, LLP

8/10



8797 Expression in Lung Model Panel



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